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Examiner: Deborah A. Davis  
Technology Center: 1641  
Fax No.: (703)872-9306  
USSN: 10/613,220  
Filed: 07/02/03  
Inventor(s): Wada et al.  
Title: Microfluidic Analytic Detection Assays, Devices, and Integrated Systems  
Document(s): Transmittal (1 page)  
Petition for Extension (1 page)  
Amendment and Reply (8 pages)

Total Number of Pages, including Certificate: 11

On October 21, 2004

  
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Signature

Donald R. McKenna  
Typed or printed name of person signing Certificate

PTO/SB/21 (08-03)

Approved for use through 08/30/2003. OMB 0651-0091  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

		Application Number	10/613,220
		Filing Date	July 2, 2003
		First Named Inventor	H. Garrett Wade
		Art Unit	1641
		Examiner Name	Deborah Davis
Total Number of Pages in This Submission		Attorney Docket Number	100/07211

**ENCLOSURES (Check all that apply)**

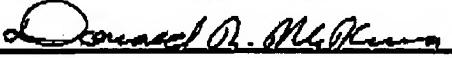
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Technology Center (TC)
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavit(s)/Declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input checked="" type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
<b>Remarks</b>		
Please charge Deposit Account No. 03-0177 for any additional fees associated with this paper or during pendency of this application		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	Donald R. McKenna, Reg. No. 44,822
Signature	
Date	10/21/04

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Donald R. McKenna
Signature	
Date	10/21/04

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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OCT 21 2004

Appln. No.	:	10/613,220	Confirmation No.: 7051
Applicant	:	H. Garrett Wada, et al.	
Filed	:	07/02/2003	
TC/A.U.	:	1641	
Examiner	:	Deborah A. Davis	
Docket No.	:	100/07211	
Customer No.	:	021569	
Title	:	Microfluidic Analytic Detection Assays, Devices and Integrated Systems	

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

AMENDMENT AND REPLY

Sir:

In response to the Office Action mailed April 21, 2004, please amend the above-identified application as follows:

Amendments to the Claims are reflected in the listing of claims that begins on page 2 of this paper.

Remarks/Arguments begin on page 6 of this paper.